## - 42 -ABSTRACT

Novel chimeric G-protein coupled receptors are provided as isolated polypeptides, membrane preparations containing such chimeric receptors, nucleic acids encoding such chimeric receptors, and cells expressing such receptors. The chimeric receptors are

NPY5 receptors with most or all of either one or both of the third cytoplasmic loop domain or the C-terminal intracellular domain of NPY5 replaced with the corresponding region(s) of another NPY receptor, preferably an NPY1 receptor.